[redacted] VAULT COPY NO. 337

OFFICE OF TRAINING

DIRECTIVE March 1954

COURSE: BIC(I)

SUBJECT: Maps and their Uses in Intelligence HOURS: 2½

METHOD OF PRESENTATION: Lecture, student exercise, map exhibit INSTRUCTOR: [redacted] 25X1A9a

OBJECTIVES OF INSTRUCTION: To discuss the many ways in which maps may assist the intelligence officer in his work and in this connection to demonstrate and teach map reading and the use of geographic coordinates and the military grid.

SUMMARY OF PRESENTATION: An introduction to the subject of maps as the tools of the intelligence officer is followed by a discussion of basic map data. 1¼ hours is devoted to an exposition of essential information required by the map readers. Subjects covered are map marginal data including sheet identification, map reliability, the legend, graphical scale, type of projection or grid, contour intervals, magnetic declination and the location diagram; place names and the US Board of Geographic Names. The numerous gazetteers available are discussed. The use of geographic coordinates and military grids are explained and demonstrated. Conventional map signs and symbols are pointed out and the interpolation of contours is studied. Two short films are used to recapitulate and a short question period closes this portion of the session. A ½ hour map reading exercise is conducted to enable the students individually to demonstrate their grasp of the subject up to this point. A short discussion is held of the principal types of maps of value to [redacted] 25X1A14b the intelligence officer and the various uses to which they may be adapted. The types of maps discussed are displayed for examination.

REFERENCES: see Bibliography

REMARKS:

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OFFICE OF TRAINING (SPECIAL)

BIBLIOGRAPHY

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MAPS AND THEIR USES IN INTELLIGENCE

I. Introduction

The map as a tool

II. Map Reading

A. Marginal Data

Sheet identification - Map reliability

- The legend - Graphical scale -

Type of projection or grid - Contour

interval - Magnetic declination

Location diagram.

B. Place Names and Gazetteers

US Board of Geographic Names (BGN)

NIS Gazetteers (all countries)

US Navy Gazetteers (Pacific islands and coastal countries)

AMS Gazetteers (most European and Asian countries)

Atlases (Government and Commercial)

C. Geographic Coordinates

Latitude and Longitude -

Degrees - minutes - seconds

(Read north or south then east or west)

D. Military Grids

Universal Transverse Mercator (UTM)

Universal Polar Stereographic (UPS)

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MAP READING QUIZ

(on Hartford Sheet)

1. How would you describe the map north of the Hartford sheet to order copies of it?

2. Identify and give the name of the feature located by military grid coordinates 674614.

3. What is the elevation (to the nearest 100 feet) of the highest point on Ellsworth Hill, 17 miles west of Torrington, Connecticut?

4. Give the route number of the best road between New London and Norwich, Connecticut.

5. What would be your opinion as to the reliability of this map?

6. Give the distance in miles along U. S. Route 5 from the 4-lane bridge at Hartford to the intersection with U. S. Route 6A in Meriden.

7. What are the geographic coordinates to the nearest minute for Falkner Island in Long Island Sound?

8. Give the military grid coordinates for the navigation light at the mouth of the Connecticut River.

9. In what county and state is Bulls Bridge located? Its coordinates are N4140-W7330.

10. Notice the valley of Farmington River about 5 miles to the northwest of Hartford. Which side of the valley has the steeper slope?